At the HafenCity University Hamburg the following position will be available from 01.07.2025 subject to the provision of funds by the donor in the department of TGA with Digital Infrastructure

Research Associate (m/f/d) in the project "LIG4"
Urban Data Specialist

Pay group 13 TV-L

to support the research with 75% of the regular weekly working hours. The position is limited until 30.06.2028.

About us

The HafenCity University Hamburg, University of Architecture and Metropolitan Development (HCU) is a university that focuses on the built environment. The HCU unites all aspects of building and design, engineering, and natural sciences as well as geoscientific and social sciences under one roof.

The cooperation between DCS and LIG (State Agency for Immovable Property and Real Estate Management) is a long-term collaboration between science and practice. In our joint innovation lab, we are researching and testing methods and tools for the visualization, analysis, decision-making and simulation of and with urban data. In the fourth phase of the cooperation, a comprehensive mapping of use cases will be carried out, which will be transferred into a roadmap. From this, innovative methods and tools are to be implemented as prototypes in an agile manner. The selected approaches are to be scientifically reflected and at the same time the project partner is to be supported in the transfer of prototypes into the practice of land development.

The position is assigned to the Professorship of Prof. Dr.-Ing. Jörg Rainer Noennig.

Here you can find more information about HCU and the Arbeitgeberin Freie und Hansestadt Hamburg.

Your tasks

You...

- identify and conceptualize data-driven use cases for our existing decision support tool for urban and land development or other digital tools and methods in close collaboration with our research partner and interdisciplinary team.
- evaluate digital decision support systems in the public sector, including innovation and transfer potentials.
- select, develop and apply algorithms and (calculation) models for land and urban development and handle (geo)data according to data standards (e.g. OGC) and principles (e.g. FAIR).
- reflect on the project results scientifically and publish them.

Your profile

mandatory requirements

- an academic university degree (master's degree or comparable) in Urban Data Science (geoinformatics, geography, spatial planning) or a comparable field of study
- proven ability to conceptualize and scientifically reflect on digital, (geo)data-based tools and methods as well as to use and maintain geodata infrastructures (PostGIS, geoservers or similar)
- experience with advanced methods of urban data analysis (such as spatial statistics, time series, NLP, accessibility analysis, etc.)

additional requirements

- overview of current trends in the use of geodata and tools (GIS, web mapping, urban AI), especially in the public sector (GovTech)
- understanding of the framework conditions for digitization in the German context (e.g. OZG, data protection, existing tools)
- advanced written and spoken English skills
- German language skills are desirable
- ability and interest in independent scientific work as well as interest in the mechanisms of urban processes and systems
- interest in structured collaboration in an interdisciplinary team as well as in collaboration with a practice partner and in identifying and testing innovative solutions

Benefits

- workplace at an attractive location in HafenCity
- varied work in a university environment in cooperation with international scientific partners
- a family-friendly university that supports its employees in balancing work and family life
- support for professional and personal development through a wide range of training

- and continuing education opportunities
- other benefits such as discounts in the student union canteens

Contact

For questions and further information, do not hesitate to contact Prof. Dr.-Ing. Jörg Rainer Noennig at +49 40 300 880-5261.

The applicant's classification regarding the level of experience within the advertised TV-L pay group is based on the candidate's individual work experience and is reviewed by the HR department. Legally binding statements can only be made by the HR department of the HCU.

Please send your application (including CV, cover letter, and copies of relevant certificates), no later than **22.05.2025** (preferably by email as one PDF file) to:

HafenCity Universität
Personalverwaltung
Stellen-Nr.: 2025-55
Henning-Voscherau-Platz 1
20457 Hamburg
E-Mail: **HCU-bewerbung@vw.hcu-hamburg.de**

Please include the reference number „**2025-55**" in your application**.**

Please be aware that in case of an invitation to an interview, HCU will not be able to cover any expenses for travel and lodging.

Due to the high number of applicants, the HCU will not be able to return application documents. Therefore, please do not submit originals of certificates. If you add a post-paid envelope, the HCU will return your application documents.